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INTER-COMPANY CORRESPONDENCE

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R. W. Levin LOCATION

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.... ORT NO.

ANSWERING LETTER DATE KZ 445

ATTENTION

COPY TO

P. H. Anderson v

E. D. Flickinger

A. de la Garna

J. B. Maren

A. M. Tuholaky

Pile

Casr Sire

SUBJECT

Present Accomplations of T in the 216 Area and 1401 Area.

LOANCOPY

TO BE RETURNED TO PLANT RECORDS K-1034

Complaints concerning careless handling of T compounds in the C-216 Area and thus presenting an opportunity for diversion have occured recently. An impostigation of this Area should that some controls should be established instantly as a precaution against insevertent renoval of ? reterial. ? compound accumulations in the C-216 Area occur at the laentions listed below.

- s. The 1301 Building T enide conversion to TF6 sours in this milding with strict accounting procedures existing on the shipment and delivery of T compounds. Locked oxide storage was are located on the second floor of this building, ami to door to the stairony from the second floor also is look-
- b. The 1303 Building ? compounds in this building are present in contaminated solutions as amountum distranate, and as exide. The building is completely lacked on the night
- G. The 1401 Brilding Conteminated calls are recovered in a still use operated by the Process Design and Development Department. The T containing filter cake obtained from this process is at present lying in case on the floor. It is onseted that the conteminated cile program will be pertially turned over to Coded Chemicals within one or two meeks. The edl will be filtered, the T-bearing filter onto retained and the all turned over to the Process Design and Development Department for cleaning,

The 616 recovery program is being operated by the Process Design and Development Department. T compound coours in the form of polism discensio contained in five gallon cans laft on the floor near the proposes. Approximately 1500 pounds of this T compound is being processed by an engineer on day hifts only. This reservery program should be completed within o or three meks.





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Feed and tails concentrations of U-616 are used in various experiments by the Development Section of Frocess Design and Development Department. About twenty cylinders of this material remain locked in a Mosler safe and has not been used for an estimated two months. Other cylinders are at the experimental stations, connected to the system. Experiments in progress at this time include a H-R pump test, a W pump test, and the F-I running test stand (using tails cone.). All of these cylinders are inventoried weekly, and reported to J. B. Marcum. Apparatus is now being fabricated to consolidate the TM in these 20-odd small containers into one large one. No definite time is known when this will occur.

Converter unplugging experiments will begin within a few days on converter a from the 305 Section. I material is recovered from the C-216 by freezing in a cold trap in the basement. It has been the experience of the unplugging group that no more than one pound of I material is recovered from one conscience. We definite procedure for handling the I material accumulated from the forthcoming experiments has been formulated. One cylinder of feed concentration TE6 for the unplugging experiments is being kept in a locked file cabinet in an office.

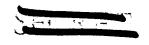
Serious negligence is occurring in the 816 recovery program. Technomics (sodium uranete) are allowed to spill on the floor where they may be swept up by any individual. Nothing is being down to protect the Technopounds used in this program from diversion.

The T-containing filter cake from the cil reclamation process is exposed to theft, as it is contained in unsatched cans lying unprotected on the floor.

T cylinders used in other experiments in the 1401 Building are under satisfactory control;however, the cylinders left connected to experiment manifolds are expected in some degree to diversion.

Procedures in the 1361 and 1363 Buildings are established in such a manner that diversion would be relatively more difficult. In the 1303 Building, the furnaces used for drying the assembles grante and the solid assembles uranate stored in that room are exposed to diversion. This room is looked on the night shifts; however, and is under the observation of several operators and engineers during the daytime.

Mest of the recent complaints concerning carelessness in T material handling are obviously directed against the 816 recevery program. Opinious expressed by the engineers concerned with this program and other super-



visors interested in it stated that none of the personnel show any interest in the work, and that the nature of the work has not been disclosed promiscrously. If a guard were posted at the location of the experiment considerable attention would be attracted to it.

All routine shipments of T compounds from the 1300 and 1400 Apens are made by Coded Chemicals. These two areas are enclosed in the same security fencing, with about air outlets to the non-restricted area. Control of T movements from the restricted area could be accomplished by the following programs

- a. Establish an identification system for all containers of T compounds. Some type of coding could be painted on the can or cylinder.
- b. Prohibit removal of T compound through all gates in the restricted area except one. This gate would preferably be the one in front of 1301. Guards located at other gates would not allow the coded T containers to pass through.
- c. Responsibility for the clearance of T compounds from the restricted area would be placed in the hands of Goded Chemicals representatives, who would have unrestricted entry to and egress from this area. Provide these representatives with a permanent "material pass" to be displayed to the guards.
- d. Any other individual desiring to remove T material from this area would first contact the Goded Chemicals respresentative located within thes area. The representative would obtain sufficient identity of this material (weight, cylinder number, or other means) to account for it, its destination, and then issue a "material pass" to permit the removal of the material through the gate. Guard would inspect pass.

Arrangements between Coded Chemicals and those concerned with the converter unplugging experiments should be established whereby all T material collected is delivered immediately to Coded Chemicals.

Yery truly yours,

M. H. Van Wie

MEAA/M